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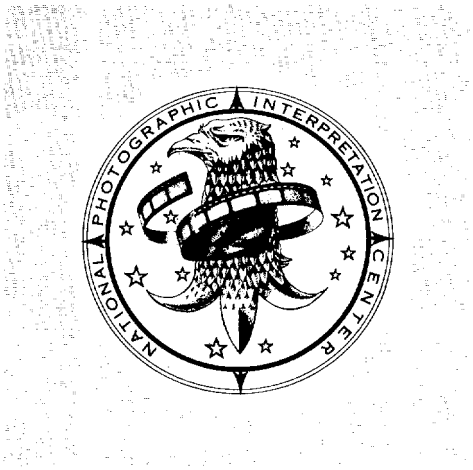

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT

DECLASS REVIEW by NIMA/DOD

KH-4 MISSION 1109

IPIR NUMBER 21

OAK SUPPLEMENT PART XVII

5-23 MARCH 1970

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GROUP 1: EXCLUDED FROM
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AND DECLASSIFICATION

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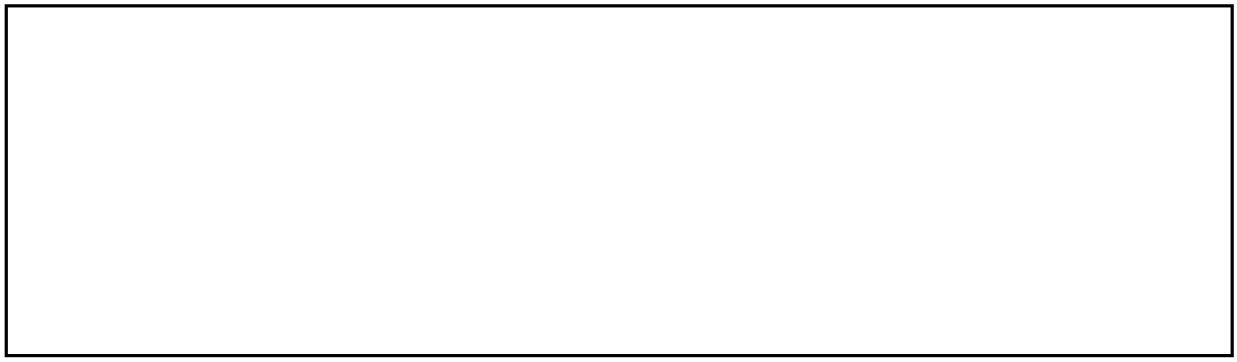

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TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)

1. STRATEGIC SSM
   - Deployed Strategic SSM Facilities (A)
2. MISSILE RANGES
   - Missile Ranges: Strategic SSM/Space Facilities (P)
   - Missile Ranges: Air-Launched Missile Facilities (Q)
   - Missile Ranges: Naval-Launched Missile Facilities (R)
   - Missile Ranges: Tactical SSM Facilities (S)
   - Missile Ranges: SAM/AMM Facilities (T)
3. AIR DEFENSE MISSILES
   - Deployed AMM Facilities (B)
   - Deployed SAM Facilities (D)
4. ELECTRONICS/COMMUNICATIONS
   - Deployed Communication/Electronic/Radar Facilities (C)
5. AIR
   - Air Base Facilities (E)
6. NAVAL
   - Naval Base Facilities (F)
7. GROUND
   - Ground Force Facilities (G)
8. TACTICAL SSM
   - Deployed Tactical SSM Facilities (H)
9. LOGISTICS
   - Military Logistics Facilities (K)
10. NUCLEAR ENERGY
    - Atomic Energy Facilities (O)
11. CBR
    - CBR Facilities (V)
12. INDUSTRY
    - Strategic Weapons Industrial Facilities (J)
    - General Purpose Weapons Industrial Facilities (L)
    - Non-Military Industrial Facilities (N)
    - Communication/Electronic/Radar R&D Facilities (U)
13. MISCELLANEOUS
    - Non-Military Logistics Facilities (M)
    - Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

THIS IS THE SEVENTEENTH OAK SUPPLEMENT REPORT ON MISSION 1109.
FOR COMPLETE PREFACE SEE THE FIRST OAK SUPPLEMENT REPORT.

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25X1

25X1

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ALGERIA
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

36-31 N 001-19 E

TENES PORT FACILITIES

25X1D

25X1A

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
ON THE NE EDGE OF TENES. THIS PORT FACILITY, WHICH CONSISTS OF ONE BASIN FORMED BY ONE MOLE AND THREE BREAKWATERS, CONTAINS TWO PIERS, FIVE POSSIBLE STORAGE BUILDINGS, AND EXTENSIVE OPEN STORAGE AREAS.

NAVAL ORDER OF BATTLE:
13 SMALL VESSELS

25X1D

25X1

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ALGERIA
INDUSTRY

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SIGNIFICANT RESULTS

25X1D 25X1D

35-52-[redacted]N 000-18-[redacted]W

EL METAMEUR PETROLEUM STORAGE

25X1D [redacted] [redacted] 25X1A

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
1 NM NORTH OF ARZEW. THIS FENCED FACILITY CONSISTS OF THREE MAINTENANCE AND STORAGE BUILDINGS, ONE MANIFOLD BUILDING, FOUR SPHERICAL LIQUID PETROLEUM GAS (LPG) TANKS, FOUR HORIZONTAL LPG TANKS, AND TWO SUPPORT BUILDINGS.

25X1D [redacted]

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CHINA, COMMUNIST
MISSILE RANGES

25X1D

SIGNIFICANT RESULTS

25X1D

41-08 N 100-15 E

25X1A

SHUANG-CHENG-TZU MISSILE TEST CENTER

25X1D

25X1A

STATUS:OPERATIONAL

REMARKS:
THE ENTIRE MISSILE TEST CENTER IS COVERED. NO NEW MISSILE FACILITIES ARE OBSERVED. SOME VEHICLES OR PIECES OF EQUIPMENT ARE ON PADS A1 AND A2 AND IN THE COMPLEX A CHECKOUT AREA. NO ACTIVITY IS OBSERVED AT COMPLEXES B, C, OR D. NO APPARENT CHANGE IS NOTED AT ANY OF THE OTHER COMPONENTS OF THE MISSILE TEST CENTER.

25X1D

25X1D

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

40-33 N 099-27 E

25X1A

SHUANG-CHENG-TZU SSM TRKNG FAC 17
NAC

25X1A

25X1D

25X1D

STATUS:OPERATIONAL

25X1D

25X1D

25X1D

25X1

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CHINA, COMMUNIST
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D 25X1D

AN-SHAN SAM SITE B23-2
NAC

41-00- N 122-48- E

25X1D

25X1A

STATUS:OCCUPIED

MISSILE ORDER OF BATTLE:
4 PROB LAUNCHERS

1 PROB GUIDANCE RADAR

25X1D

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25X1 [redacted] 25X1

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CHINA, COMMUNIST
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

31-10[redacted]N 121-16[redacted]E

SHANGHAI/HUNG CHIAO SW AIRFIELD

25X1D [redacted] [redacted] 25X1A

STATUS:UNDER CONSTRUCTION

REMARKS:
THE RUNWAY APPEARS TO HAVE BEEN PAVED WITH ASPHALT. THE 12 AIRCRAFT REVETMENTS HAVE BEEN IMPROVED WITH CONCRETE HARDSTANDS.

AIR ORDER OF BATTLE:
1 SMALL STRAIGHT-WING 1 POSS AIRCRAFT

25X1D [redacted] [redacted] 25X1D

25X1D 25X1D

37-25[redacted]N 121-19[redacted]E

YEN-TAI SOUTHWEST AIRFIELD

25X1D [redacted] [redacted] 25X1A

STATUS:OPERATIONAL

25X1 REMARKS: [redacted] NW/SE CONCRETE RUNWAY IS COMPLETE. A SMALL ALERT/PARKING APRON HAS BEEN CONSTRUCTED AT THE SW END OF THE RUNWAY.

AIR ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted] [redacted] 25X1D

[redacted] 25X1

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CHINA, COMMUNIST
GROUND FORCE FACILITIES

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SIGNIFICANT RESULTS

25X1D 25X1D

31-47 N 121-52 E

SHANG-HAI COASTAL DEFENSE SITE 11

25X1D

STATUS:OPERATIONAL 25X1A

PHYSICAL DESCRIPTION:
39 NM NE OF SHANGHAI.
THE INSTALLATION, WHICH IS SIMILAR TO 21 OTHER COASTAL DEFENSE SITES IN THE SHANGHAI AREA, CONSISTS OF FOUR PARALLEL STRUCTURES AND AN INTERCONNECTING ROAD PATTERN. NO SUPPORT FACILITY IS OBSERVED.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

31-55 N 121-48 E

SHANG-HAI COASTAL DEFENSE SITE 12

25X1D 25X1D 25X1D

STATUS:OPERATIONAL 25X1A

PHYSICAL DESCRIPTION:
45 NM NNE OF SHANGHAI.
THE INSTALLATION, WHICH IS SIMILAR TO 21 OTHER COASTAL DEFENSE SITES IN THE SHANGHAI AREA, CONSISTS OF FOUR PARALLEL STRUCTURES AND AN INTERCONNECTING ROAD PATTERN. NO SUPPORT FACILITY IS OBSERVED.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

32-01 N 121-43 E

SHANG-HAI COASTAL DEFENSE SITE 13

25X1D 25X1D 25X1D

STATUS:OPERATIONAL 25X1A

25X1

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CHINA, COMMUNIST
GROUND FORCE FACILITIES

PHYSICAL DESCRIPTION:
48 NM NNE OF SHANGHAI.
THE INSTALLATION, WHICH IS SIMILAR TO 21 OTHER COASTAL DEFENSE SITES IN THE SHANGHAI AREA, CONSISTS OF FOUR PARALLEL STRUCTURES AND AN INTERCONNECTING ROAD PATTERN. NO SUPPORT FACILITY IS OBSERVED.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

30-57 N 121-53 E

SHANG-HAI COASTAL DEFENSE SITE 20

25X1D 25X1D 25X1D

STATUS:OPERATIONAL 25X1A

PHYSICAL DESCRIPTION:
27 NM SE OF SHANGHAI.
THE INSTALLATION, WHICH IS SIMILAR TO 21 OTHER COASTAL DEFENSE SITES IN THE SHANGHAI AREA, CONSISTS OF FOUR PARALLEL STRUCTURES AND AN INTERCONNECTING ROAD PATTERN. NO SUPPORT FACILITY IS OBSERVED.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

30-54 N 121-53 E

SHANG-HAI COASTAL DEFENSE SITE 21

25X1D 25X1D25X1D

STATUS:OPERATIONAL 25X1A

PHYSICAL DESCRIPTION:
30 NM SE OF SHANGHAI.
THE INSTALLATION, WHICH IS SIMILAR TO 21 OTHER COASTAL DEFENSE SITES IN THE SHANGHAI AREA, CONSISTS OF FOUR PARALLEL STRUCTURES AND AN INTERCONNECTING ROAD PATTERN. NO SUPPORT FACILITY IS OBSERVED.

25X1

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CHINA, COMMUNIST
GROUND FORCE FACILITIES

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

30-52 N 121-51 E

SHANG-HAI COASTAL DEFENSE SITE 22

25X1D 25X1A 25X1D 25X1D

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
31 NM SE OF SHANGHAI.
THE INSTALLATION, WHICH IS SIMILAR TO 21 OTHER COASTAL DEFENSE SITES IN THE SHANGHAI AREA, CONSISTS OF FOUR PARALLEL STRUCTURES AND AN INTERCONNECTING ROAD PATTERN. NO SUPPORT FACILITY IS OBSERVED.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

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CHINA, COMMUNIST
LOGISTICS

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SIGNIFICANT RESULTS

25-03-//N 102-45-//E

25X1D KUN-MING/CHENG-TU RAIL LINE [redacted] 25X1A

STATUS:UNDER CONSTRUCTION

REMARKS:
THE RAIL LINE IS NOW OPERATIONAL FROM KUNMING AT 25-03N 102-45E
TO 26-43N 101-51E. THIS IS AN ADDITIONAL SEVEN MILES OF TRACK
25X1D SINCE [redacted] THE ENTIRE LINE BETWEEN KUNMING
AND CHENGTU IS NOW EITHER COMPLETE OR UNDER ACTIVE
CONSTRUCTION.

25X1D [redacted]

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UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D 25X1D

29-45 N 031-25 E

AL QAHIRAH T-SHAPED STRUCTURE 01 25X1A

25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
19.2 NM SSE OF CAIRO.
THE FACILITY CONSISTS OF A LINEAR EXCAVATION AND SEVERAL SMALL AREAS OF GROUND SCARRING.

NOTE -- THIS FACILITY IS ONE OF 26 AREAS OF ACTIVITY, ALL OF WHICH HAVE BEEN DESIGNATED AS T-SHAPED STRUCTURES IN THE TDI. ONLY TEN HAVE EITHER T-SHAPED STRUCTURES OR EXCAVATIONS.

25X1D

29-45 N 031-13 E 25X1A

AL QAHIRAH T-SHAPED STRUCTURE 02 25X1D 25X1D

25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
16.6 NM SOUTH OF CAIRO.
THE FACILITY CONSISTS OF A LINEAR EXCAVATION, AN L-SHAPED STRUCTURE, AND SEVERAL SMALL AREAS OF GROUND SCARRING.

25X1D

29-56 N 031-21 E

AL QAHIRAH T-SHAPED STRUCTURE 03 25X1D 25X1D

25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
9 NM SE OF CAIRO.
THE FACILITY CONSISTS OF A T-SHAPED STRUCTURE OR EXCAVATION AND SEVERAL SMALL AREAS OF GROUND SCARRING.

25X1

UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

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25X1D

AL QAHIRAH T-SHAPED STRUCTURE 04 29-52- N 031-12- E

25X1D 25X1A

STATUS:UNDER CONSTRUCTION 25X1A 25X1D 25X1D

PHYSICAL DESCRIPTION:
11 NM SSW OF CAIRO.
THE FACILITY CONSISTS OF A T-SHAPED STRUCTURE OR EXCAVATION AND SEVERAL SMALL AREAS OF GROUND SCARRING.

25X1D

AL QAHIRAH T-SHAPED STRUCTURE 05 29-54- N 031-11- E

25X1D 25X1A

STATUS:UNDER CONSTRUCTION 25X1A 25X1D 25X1D

PHYSICAL DESCRIPTION:
10 NM SSW OF CAIRO.
THE FACILITY CONSISTS OF A Z-SHAPED STRUCTURE OR EXCAVATION AND SEVERAL SMALL AREAS OF GROUND SCARRING.

25X1D

AL QAHIRAH T-SHAPED STRUCTURE 06 30-00- N 031-06- E

25X1D 25X1D 25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
8 NM SW OF CAIRO.
THE FACILITY CONSISTS OF AN OPEN LINEAR EXCAVATION WITH SEVERAL SMALL GROUND SCARS IN THE AREA.

25X1D

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25X1D 25X1D

AL QAHIRAH T-SHAPED STRUCTURE 07 30-05 N 030-53 E 25X1A

25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
17.7 NM WNW OF CAIRO.
THE FACILITY CONSISTS OF A PLUS-SHAPED STRUCTURE OR EXCAVATION, ONE L-SHAPED EXCAVATION, AND SEVERAL SMALL AREAS OF GROUND SCARRING.

25X1D

AL QAHIRAH T-SHAPED STRUCTURE 08 30-00 N 031-18 E

25X1D 25X1D 25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
3 NM SE OF CAIRO.
THE FACILITY CONSISTS OF A COVERED T-SHAPED EXCAVATION AND SEVERAL SMALL GROUND SCARS.

25X1D

AL QAHIRAH T-SHAPED STRUCTURE 09 30-01 N 031-02 E

25X1D 25X1D 25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
11 NM WSW OF CAIRO.
THE FACILITY CONSISTS OF A LINEAR EXCAVATION AND SEVERAL GROUND SCARS.

25X1D

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25X1D 25X1D

AL QAHIRAH T-SHAPED STRUCTURE 10 30-16 N 031-28 E

25X1D 25X1A

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
18 NM NE OF CAIRO.
THE FACILITY CONSISTS OF A T-SHAPED EXCAVATION AND SEVERAL SMALL GROUND SCARS.

25X1D

ASWAN T-SHAPED STRUCTURE 01 24-03 N 032-49 E

25X1D 25X1A 25X1D 25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
4.7 NM SW OF ASWAN.
THE FACILITY CONSISTS OF AN OPEN T-SHAPED EXCAVATION. GROUND SCARRING IS OBSERVED ADJACENT TO THE EXCAVATION.

25X1D

ASWAN T-SHAPED STRUCTURE 02 23-57 N 032-47 E

25X1D 25X1D 25X1D

STATUS:UNDER CONSTRUCTION 25X1A

PHYSICAL DESCRIPTION:
10.8 NM SSW OF ASWAN.
THE FACILITY CONSISTS OF A PARTIALLY COVERED T-SHAPED EXCAVATION. EARTH SCARRING IS OBSERVED AROUND THE EXCAVATION.

25X1D

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UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

25X1D 25X1D

SUEZ CANAL T-SHAPED STRUCTURE 01 30-46 [redacted] N 032-10 [redacted] E

25X1D [redacted] [redacted] 25X1A

25X1A

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
12 NM NW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A LINEAR EXCAVATION AND GROUND SCARRING. NUMEROUS BOMB CRATERS ARE OBSERVED IN THE AREA.

25X1D [redacted]

SUEZ CANAL T-SHAPED STRUCTURE 02 30-46 [redacted] N 032-08 [redacted] E

25X1D [redacted] [redacted] 25X1A

25X1A

25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
12.5 NM NW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A PARTIALLY COVERED LINEAR EXCAVATION.
BOMB CRATERS ARE OBSERVED AROUND THE FACILITY.

25X1D [redacted]

SUEZ CANAL T-SHAPED STRUCTURE 03 30-44 [redacted] N 032-08 [redacted] E

25X1D [redacted] [redacted] 25X1A

25X1A

25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
11.1 NM NW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A PARTIALLY COVERED LINEAR EXCAVATION.

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25X1D [redacted]

SUEZ CANAL T-SHAPED STRUCTURE 04 30-41[redacted]N 032-07[redacted]E

25X1D [redacted] [redacted] 25X1A [redacted] 25X1A 25X1D 25X1D

STATUS:DAMAGED

PHYSICAL DESCRIPTION:
10 NM NW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A SCARRED AREA DAMAGED BY BOMBING.

25X1D [redacted]

SUEZ CANAL T-SHAPED STRUCTURE 05 30-37[redacted]N 032-08[redacted]E

25X1D [redacted] [redacted] 25X1A [redacted] 25X1A 25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
6.2 NM WEST OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF AN OPEN LINEAR EXCAVATION. SEVERAL BOMB CRATERS ARE OBSERVED AROUND THE FACILITY.

25X1D [redacted]

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AIR DEFENSE MISSILES

25X1D 25X1D

30-34[redacted]N 032-01[redacted]E

SUEZ CANAL T-SHAPED STRUCTURE 06

25X1D [redacted] [redacted] 25X1A

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
12.6 NM WEST OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A PARTIALLY COVERED T-SHAPED EXCAVATION.

25X1D [redacted]

30-30[redacted]N 032-09[redacted]E

SUEZ CANAL T-SHAPED STRUCTURE 07

25X1D [redacted] [redacted] 25X1A

25X1A

25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
7.8 NM SW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A T-SHAPED OPEN EXCAVATION.

25X1D [redacted]

30-28[redacted]N 032-04[redacted]E

SUEZ CANAL T-SHAPED STRUCTURE 08

25X1D [redacted] [redacted] 25X1A

25X1A

25X1D 25X1D

STATUS:UNDER CONSTRUCTION

[redacted] 25X1

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AIR DEFENSE MISSILES

PHYSICAL DESCRIPTION:
12.2 NM SW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF AN OPEN PLUS-SHAPED EXCAVATION.

25X1D [redacted]

SUEZ CANAL T-SHAPED STRUCTURE 09 30-25[redacted]N 031-57[redacted]E 25X1A

25X1D [redacted] [redacted] 25X1D 25X1D

25X1A

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
18.6 NM SW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A COVERED T-SHAPED EXCAVATION.

25X1D [redacted]

SUEZ CANAL T-SHAPED STRUCTURE 10 30-24[redacted]N 032-04[redacted]E 25X1A

25X1D [redacted] [redacted] 25X1D 25X1D

25X1A

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
15 NM SW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF AN OPEN LINEAR EXCAVATION AND SOME
GROUND SCARRING.

25X1D [redacted] IR

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25X1 [redacted] 25X1

UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

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25X1D [redacted]

30-20 [redacted] N 032-01 [redacted] E

SUEZ CANAL T-SHAPED STRUCTURE 11 [redacted] 25X1A

25X1D [redacted] 25X1A 25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
20.2 NM SW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A PARTIALLY COVERED T-SHAPED EXCAVATION.

25X1D [redacted]

30-12 [redacted] N 032-14 [redacted] E 25X1A

SUEZ CANAL T-SHAPED STRUCTURE 12 [redacted]

25X1D [redacted] 25X1A 25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
22.7 NM SOUTH OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A PLUS-SHAPED EXCAVATION.

25X1D [redacted]

30-10 [redacted] N 032-12 [redacted] E 25X1A

SUEZ CANAL T-SHAPED STRUCTURE 13 [redacted]

25X1D [redacted] 25X1A 25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
25.2 NM SOUTH OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF GROUND SCARRING WITHOUT A DEFINITE CONFIGURATION.

25X1 [redacted]

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25X1 [redacted]

KH-4 MISSION 1109

UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

25X1D [redacted]

30-11 [redacted] N 032-16 [redacted] 25X1A

SUEZ CANAL T-SHAPED STRUCTURE 14

25X1D [redacted] [redacted] 25X1A 25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
23.7 NM SOUTH OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF A PLUS-SHAPED EXCAVATION.

25X1D [redacted]

30-42 [redacted] N 032-04 [redacted] E 25X1A

SUEZ CANAL T-SHAPED STRUCTURE 15

25X1D [redacted] [redacted] 25X1A 25X1D 25X1D

STATUS:UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:
12.3 NM NW OF AL ISMAILIYAH.
THE FACILITY CONSISTS OF AN L-SHAPED EXCAVATION. SEVERAL BOMB CRATERS ARE ADJACENT TO THE EXCAVATION.

25X1D [redacted]

OTHER RESULTS-NO APPARENT CHANGE

30-19 [redacted] N 032-32 [redacted] E

AS SUWAYS SAM SITE C01-2

25X1D [redacted] NAC 25X1A [redacted] 25X1D 25X1D

STATUS:UNOCCUPIED

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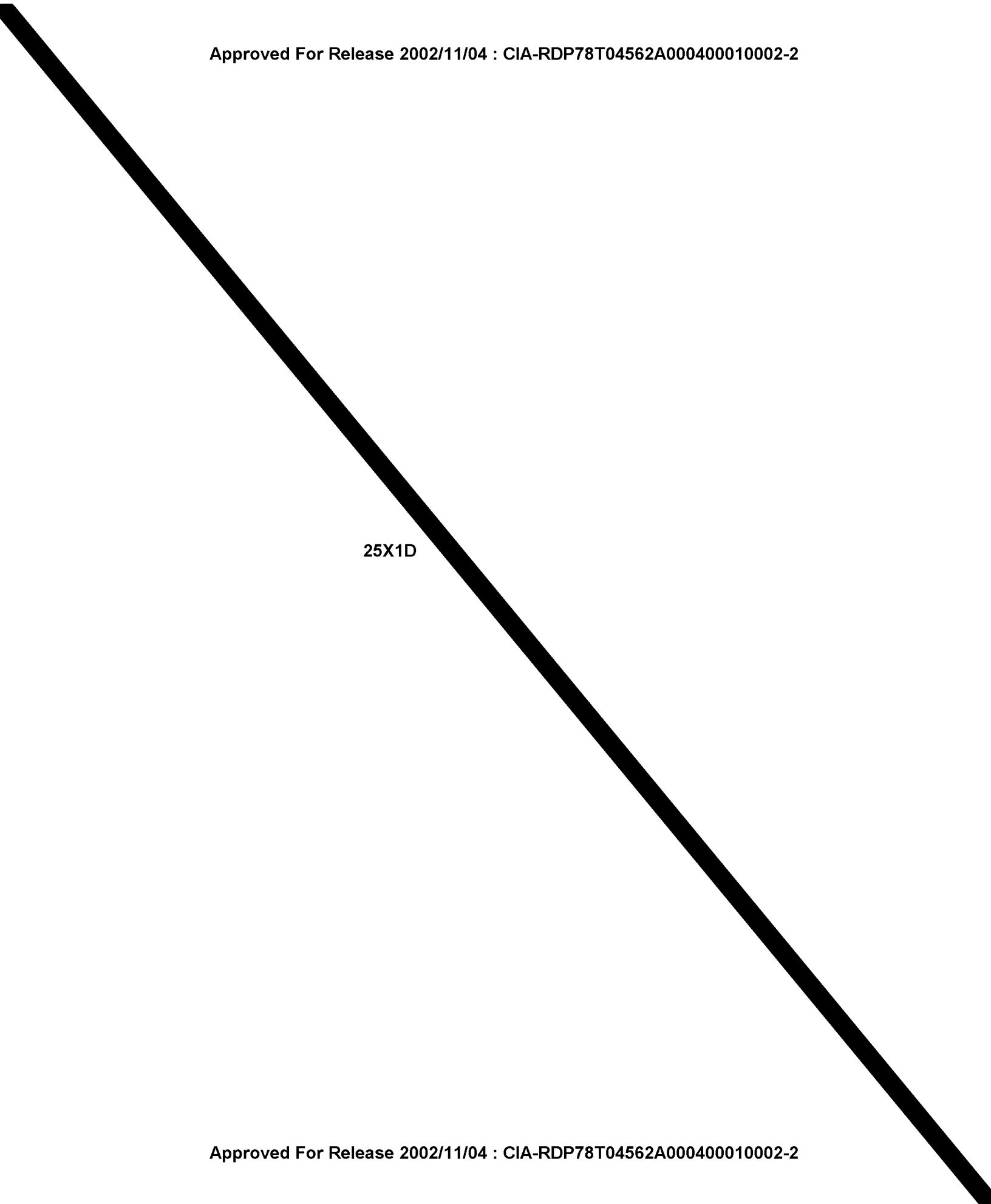

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25X1

25X1

KH-4 MISSION 1109

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

28-59 N 031-42 E

WADI ABU RISH AIRFIELD

25X1D

25X1A

STATUS:OPERATIONAL

25X1

PHYSICAL DESCRIPTION:
37 NM EAST OF BANI SUWAYE.

25X1

NNE/SSW RUNWAY, THE PARALLEL TAXIWAY, THE TWO END-CONNECTING LINKS, AND THE TWO CROSSOVER LINKS APPEAR TO BE COMPLETE AND SERVICEABLE. FOUR HANGARETTES ARE UNDER CONSTRUCTION AT THE SSW END OF THE RUNWAY.

AIR ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

25X1

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25X6
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KH-4 MISSION 1109

KOREA, NORTH
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

CHAERYONG HF COMMO FAC SRCH 38-23 N 125-36 E 25X1A 25X1D

25X1D 25X1A 25X1D

STATUS:UNKNOWN

REMARKS:
NO HF COMMUNICATIONS FACILITY IS DISCERNIBLE AT THE REFERENCED COORDINATES.

25X1D

SINUIJU AUTO MPUR EXCHANGE SRCH 40-05 N 124-23 E 25X1A 25X1D

25X1D 25X1A 25X1D

STATUS:UNKNOWN

REMARKS:
NO SWITCHING CENTER IS DISCERNIBLE AT THE REFERENCED COORDINATES.

25X1D

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KH-4 MISSION 1109

KOREA, NORTH
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

KUMSONG ARMY BARRACKS ESE
NAC

38-24-[redacted]N 127-39-[redacted]E

25X1D [redacted] [redacted] 25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1D [redacted]

7 VEHICLES

25X1D [redacted]

KUMSONG HQ 160 INF REGT + ARMY BKS

38-25-[redacted]N 127-36-[redacted]E

25X1D [redacted] [redacted] 25X1A

25X1A 25X1D 25X1D

STATUS:UNKNOWN

REMARKS:
KUMSONG COMPLEX IS LOCATED AT THE REFERENCED COORDINATES, HOWEVER, SMALL SCALE PHOTOGRAPHY PRECLUDES THE IDENTIFICATION OF ANY MILITARY INSTALLATION WITHIN THE COMPLEX.

25X1D [redacted]

SAMGOK-TONG MILITARY INSTALLATION

38-15-[redacted]N 126-37-[redacted]E

25X1D [redacted] [redacted] 25X1A

25X1A 25X1D 25X1D

25X1 [redacted]

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KOREA, NORTH
GROUND FORCE FACILITIES

KH-4 MISSION 1109

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
3.5 NM NW OF SOKCHON-NI.
THE FACILITY CONSISTS OF THREE AREAS.

25X1D AREA A, AT 38-15-[ ]N 126-36-[ ]E, CONSISTS OF 16 BARRACKS, TWO
25X1D ADMINISTRATION BUILDINGS, ONE VEHICLE SHED, AND 20 SUPPORT BUILDINGS.

25X1D AREA B, AT 38-14-[ ]N 126-36-[ ]E, CONSISTS OF 24 STORAGE
25X1D BUILDINGS AND FOUR SUPPORT BUILDINGS.

25X1D AREA C, AT 38-14-[ ]N 126-37-[ ]E, CONSISTS OF THREE QUARTERS,
25X1D ONE ADMINISTRATION BUILDING, SEVEN STORAGE BUILDINGS, AND THREE SUPPORT BUILDINGS.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted]

SINGYE ARMY BARRACKS SOUTH 38-29-[ ]N 126-32-[ ]E

25X1D [redacted] 25X1A [redacted] 25X1A

25X1D 25X1D

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
1.4 NM SSE OF SINGYE.
THE INSTALLATION CONSISTS OF 12 BARRACKS, TWO POSSIBLE ADMINISTRATION BUILDINGS, ONE POSSIBLE T-SHAPED MESSHALL, 15 STORAGE BUILDINGS, AT LEAST TWO SUPPORT BUILDINGS, AND A PARADE FIELD.

25X1A IMMEDIATELY WEST OF THE BARRACKS IS SINGYE MILITARY DEPOT SOUTH [redacted] WHICH CONTAINS SEVEN DISPERSED AND PARTIALLY REVETTED STORAGE BUILDINGS AND TWO SUPPORT BUILDINGS.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

KOREA, NORTH
GROUND FORCE FACILITIES

KH-4 MISSION 1109

25X1D

37-46- N 126-35 E

25X1A

TOKKOGAE-RI ARMY BARRACKS

25X1D 25X1A 25X1D 25X1D

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
14 NM SOUTH OF KAESONG AND 5.5 NM SW OF TAERYONG-NI.
THE FACILITY CONSISTS OF TWO BARRACKS AND SIX SUPPORT
BUILDINGS.

GROUND FORCE ORDER OF BATTLE:
6 VEHICLES

25X1D

37-48 N 126-36 E

25X1A

WORAM-NI ARMY BARRACKS + STOR AREA

25X1D 25X1A 25X1D 25X1D

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
3.4 NM SSW OF TAERYONG-NI.
THE FACILITY CONSISTS OF SEVEN BARRACKS, SEVEN QUARTERS, ONE
C-SHAPED ADMINISTRATION BUILDING, AND 14 SUPPORT BUILDINGS.

GROUND FORCE ORDER OF BATTLE:
4 VEHICLES

25X1D

25X1

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KH-4 MISSION 1109

KOREA, NORTH
GROUND FORCE FACILITIES

OTHER RESULTS-NO APPARENT CHANGE

25X1D 25X1D

CHUJA-DONG ARMY BARRACKS
NAC

38-21 N 127-31 E

25X1D 25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

CHUNG DONG-NI ARMY BKS + STOR AREA NE
NAC

38-22 N 127-18 E

25X1A

25X1D 25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

CHUNGDONG-NI HQ 35 MORT REGT + BKS
NAC

38-21 N 127-18 E

25X1A

25X1D 25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

25X1

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KOREA, NORTH
GROUND FORCE FACILITIES

KH-4 MISSION 1109

25X1D

25X1D 25X1D

HAJU-RI ARMY BARRACKS EAST
NAC

38-28- N 127-15- E

25X1D 25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

HASUHAN HQ 73 INF REGT + ARMY BKS
NAC

38-25- N 127-24- E

25X1D 25X1A

25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

KIMHWA-UP MILITARY AREA
NAC

38-20- N 127-38- E

25X1D 25X1A

25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1

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25X1

KOREA, NORTH
GROUND FORCE FACILITIES

KH-4 MISSION 1109

25X1D

38-21 N 127-21 E

KOAM-NI ARMY BARRACKS
NAC

25X1A
25X1D
25X1D
25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

38-23 N 127-39 E

KUMSONG HQ 66 ARTY REGT + ARMY BKS SE
NAC

25X1A
25X1D
25X1D
25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

38-25 N 127-10 E

MASAN-NI ARMY BKS A HQ 12 INF DIV
NAC

25X1A
25X1D
25X1D
25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D
25X1

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25X1

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25X1

KH-4 MISSION 1109

KOREA, NORTH
GROUND FORCE FACILITIES

25X1D

25X1D 25X1D

38-25 N 127-20 E

MAYON-NI ARMY BARRACKS
NAC

25X1D

25X1A 25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

25X1D

25X1D 25X1D

38-24 N 127-10 E

NAMAE-RI ARMY BARRACKS
NAC

25X1D

25X1A 25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

25X1D

25X1D 25X1D

38-23 N 127-41 E

SAIRWON ARMY BARRACKS SE
NAC

25X1D

25X1A 25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1

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KH-4 MISSION 1109

KOREA, NORTH
GROUND FORCE FACILITIES

25X1D [redacted]

SAIRWON ARMY BARRACKS SOUTH
NAC

38-21 [redacted] N 127-44 [redacted] E

25X1A

25X1D [redacted]

25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted]

SAIRWON BKS AREA + HQ 159 INF REGT
NAC

38-24 [redacted] N 127-40 [redacted] E

25X1A

25X1D [redacted]

25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted]

SAIRWON HQ 46TH INFANTRY DIVISION
NAC

38-24 [redacted] N 127-41 [redacted] E

25X1A

25X1D [redacted]

25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted]

25X1 [redacted]

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25X1 [redacted] 25X1

KH-4 MISSION 1109

KOREA, NORTH
GROUND FORCE FACILITIES

25X1D 25X1D

38-29-[redacted]N 126-12-[redacted]E

SINMAK STORAGE AREA N + ARMY BKS
NAC

25X1A [redacted] 25X1A

25X1D [redacted]

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted] 25X1D

25X1D 25X1D

38-23-[redacted]N 127-25-[redacted]E

SONGAM-NI ARMY BKS + HQ 25 BDE
NAC

25X1A [redacted] 25X1A

25X1D [redacted]

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted] 25X1D

25X1D 25X1D

38-23-[redacted]N 127-51-[redacted]E

SONGJONG ARMY BARRACKS
NAC

25X1A [redacted] 25X1A

25X1D [redacted]

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted] 25X1D

25X1D [redacted]

25X1 [redacted] 25X1

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25X1

25X1

KH-4 MISSION 1109

KOREA, NORTH
GROUND FORCE FACILITIES

25X1D 25X1D

38-21 N 127-49 E

25X1A

SONGJONG MILITARY AREA
NAC

25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

25X1D

25X1D 25X1D

38-21 N 127-09 E

25X1A

SOSUPO ARMY BARRACKS SOUTH
NAC

25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

25X1D

25X1D 25X1D

38-26 N 127-12 E

25X1A

SUHANG ARMY BARRACKS
NAC

25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

25X1D

25X1

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KH-4 MISSION 1109

KOREA, NORTH
GROUND FORCE FACILITIES

25X1D

25X1D 25X1D

WOLBONG-NI ARMY BARRACKS
NAC

38-21 N 127-35 E

25X1D

25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

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KOREA, NORTH
INDUSTRY

KH-4 MISSION 1109

SIGNIFICANT RESULTS

25X1D 25X1D

CHO-DO RADAR FAC 38-32 N 124-47 E

25X1D 25X1A

25X1A

STATUS:UNKNOWN

REMARKS:
NO RADAR FACILITY IS DISCERNIBLE AT THE REFERENCED COORDINATES.

25X1D

HODO PANDO RADAR FAC 39-19-//N 127-34-//E 25X1A

25X1D

25X1A

STATUS:UNKNOWN

REMARKS:
NO RADAR FACILITY IS OBSERVED.

25X1D

SEPO-UP RADAR FAC 38-39 N 127-22 E 25X1A

25X1D

25X1A

25X1D 25X1D

STATUS:UNKNOWN

REMARKS:
NO RADAR FACILITY IS DISCERNIBLE AT THE REFERENCED COORDINATES.

25X1

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KOREA, NORTH
INDUSTRY

KH-4 MISSION 1109

25X1D

SINCHANG-UP RADAR FAC 40-07-//N 128-26-//E

25X1D 25X1A 25X1A

STATUS:UNKNOWN

REMARKS:
NO RADAR FACILITY IS OBSERVED.

25X1D

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25X1 [redacted] 25X1

KH-4 MISSION 1109

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

MAGDAGACHI MISSILE SEARCH AREA 53-26-//N 125-49-//E [redacted] 25X1A

25X1D [redacted]

25X1A

STATUS:UNKNOWN

REMARKS:
NO MISSILES OR MISSILE-RELATED EQUIPMENT ARE OBSERVED.

25X1D [redacted]

[redacted] 25X1

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KH-4 MISSION 1109

SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D 25X1D

KY/VLAD MTC/ALEKSANDROV GAY TK-AW RDR 50-10 N 048-34 E

25X1D 25X1A

25X1A

STATUS:OCCUPIED

REMARKS:
AT LEAST FIVE OF THE EIGHT RADAR POSITIONS ARE OCCUPIED. EQUIPMENT IS OBSERVED IN ALL FOUR OF THE REVETMENTS NEAR THE CENTER OF THE FACILITY.

25X1D

KY/VLAD MTC/PALLASOVKA AW RADAR FAC 50-03 N 046-53 E

25X1D 25X1A

25X1A 25X1D

25X1D

STATUS:OCCUPIED

REMARKS:
THE FOUR RADAR POSITIONS AND REVETTED CONTROL AREA APPEAR TO BE OCCUPIED.

25X1D

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

DNEPROPETROVSK ABM SEARCH 48-28-//N 035-02-//E 25X1A

25X1D 25X1A

STATUS:UNKNOWN

REMARKS:
NO MOSCOW-TYPE ABM ACTIVITY IS OBSERVED.

25X1D

DONETSK ABM SEARCH 48-00-//N 037-47-//E 25X1A

25X1D 25X1A

STATUS:UNKNOWN

REMARKS:
NO MOSCOW-TYPE ABM ACTIVITY IS OBSERVED.

25X1D

GORKIY ABM SEARCH 56-15- N 043-53- E 25X1A

25X1D 25X1A 25X1D 25X1D

STATUS:UNKNOWN

25X1

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SOVIET UNION
AIR DEFENSE MISSILES

KH-4 MISSION 1109

REMARKS:
NO MOSCOW-TYPE ABM ACTIVITY IS OBSERVED.

25X1D [redacted]

KIYEV ABM SEARCH

50-27-//N 030-30-//E

25X1A [redacted]

25X1D [redacted]

25X1A [redacted]

STATUS:UNKNOWN

REMARKS:
NO ABM ACTIVITY IS OBSERVED.

25X1D [redacted]

MOSKVA SAM SITE B26A-2
NAC

55-40-[redacted]N 037-06-[redacted]E

25X1A [redacted]

25X1D [redacted]

25X1D 25X1D

25X1 [redacted]

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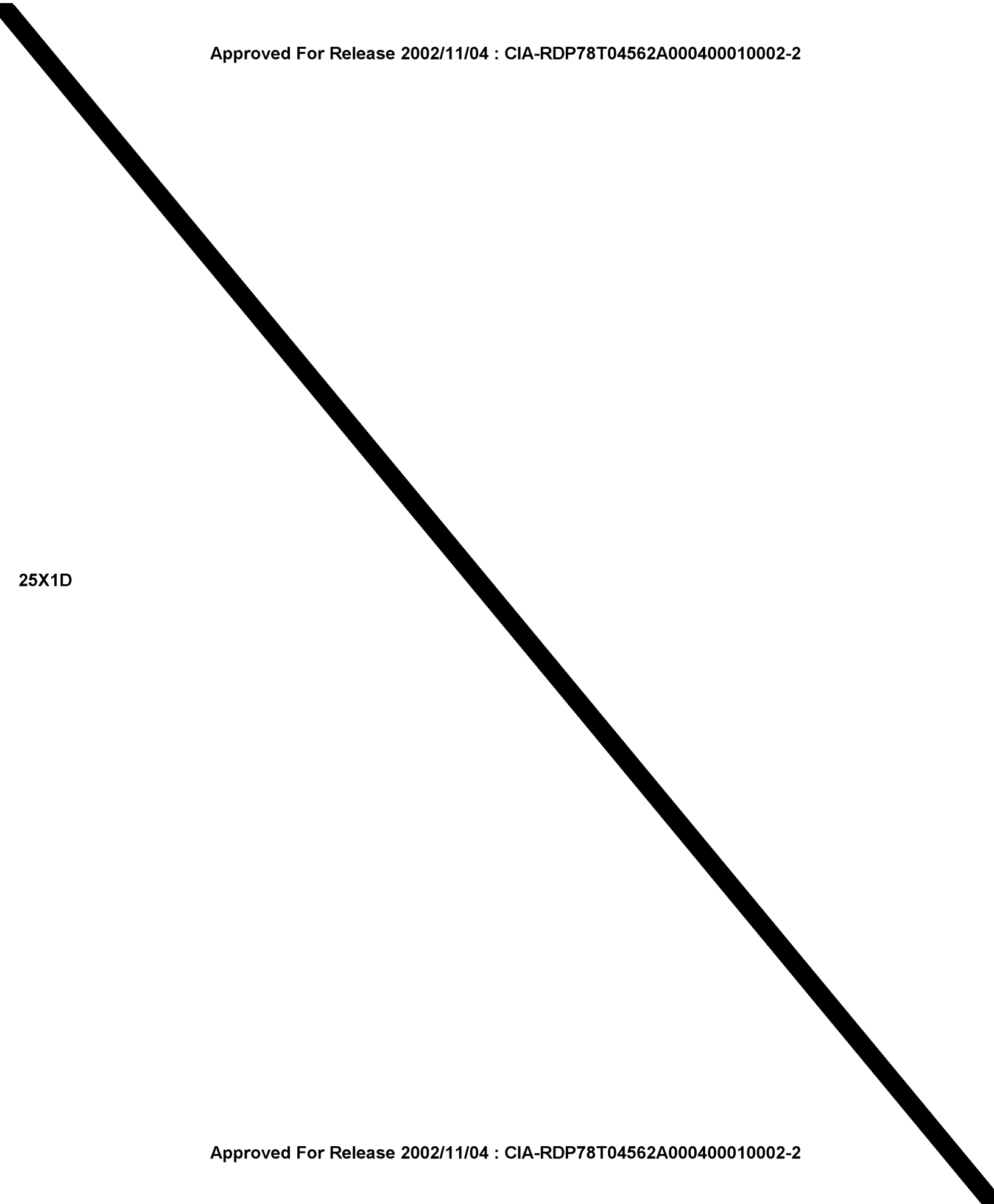

25X1D

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

MOSKVA SAM SITE E01-3
NAC

25X1D

56-29 N 037-42 E

25X1A
25X1D

25X1D

STATUS:OCCUPIED

25X1D

MOSKVA SAM SITE E22-3
NAC

25X1D

55-09 N 036-48 E

25X1A
25X1D

STATUS:OCCUPIED

REMARKS:
ALL FOUR LAUNCH POSITIONS AND THE GUIDANCE AREA ARE OCCUPIED.

25X1D

MOSKVA SAM SITE E23-3

25X1D

25X1A

55-13 N 036-36 E

25X1A
25X1D

STATUS:OCCUPIED

REMARKS:
ONE OF THE LAUNCH POSITION REVETMENTS IS UNDERGOING MODIFICATION. A SMALL SECTION OF THE REVETMENT HAS BEEN REMOVED. ONE OF THE RESULTANT REVETMENT SEGMENTS HAS BEEN EXTENDED TOWARDS THE GUIDANCE AREA. A MOUNDED EARTH STRUCTURE IS OBSERVED ADJACENT TO A SECOND LAUNCH REVETMENT.

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25X1

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D [redacted]

MOSKVA SAM SITE E24-3
NAC

25X1D [redacted]

55-20 [redacted] N 036-27 [redacted] E

25X1A

25X1D 25X1D

STATUS:OCCUPIED

25X1D [redacted]

MOSKVA SAM SITE E25-3
NAC

25X1D [redacted]

55-27 [redacted] N 036-21 [redacted] E

25X1A

25X1D 25X1D

STATUS:OCCUPIED

25X1D [redacted]

MOSKVA SAM SITE E26-3
NAC

25X1D [redacted]

55-36 [redacted] N 036-18 [redacted] E

25X1A

25X1D 25X1D

STATUS:OCCUPIED

REMARKS:
THREE LAUNCH POSITIONS ARE UNOCCUPIED. THE FOURTH IS OCCUPIED BY AN UNIDENTIFIED PIECE OF EQUIPMENT. THREE PIECES OF EQUIPMENT ARE ADJACENT TO ONE LAUNCH POSITION. THE GUIDANCE AREA AND MISSILE-HOLD REVETMENT ARE EACH OCCUPIED BY AN UNIDENTIFIED PIECE OF EQUIPMENT. THE ACQUISITION RADAR MOUND IS PROBABLY UNOCCUPIED. SNOW REMOVAL IS EVIDENT.

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25X1D

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25X1 [redacted] 25X1

KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D [redacted]

MOSKVA SA-3 SAM ASSEMBLY FACILITY
NAC

55-37-[redacted]N 036-20-[redacted]E

25X1A

25X1D [redacted] 25X1D 25X1D

STATUS:OPERATIONAL

25X1D [redacted]

NIKOLAYEVSK HEN HOUSE SEARCH

53-08-//N 140-40-//E

25X1D [redacted] [redacted] 25X1A

25X1A

STATUS:UNKNOWN

REMARKS:
NO HEN HOUSE ACTIVITY IS OBSERVED.

25X1D [redacted]

25X1 [redacted]

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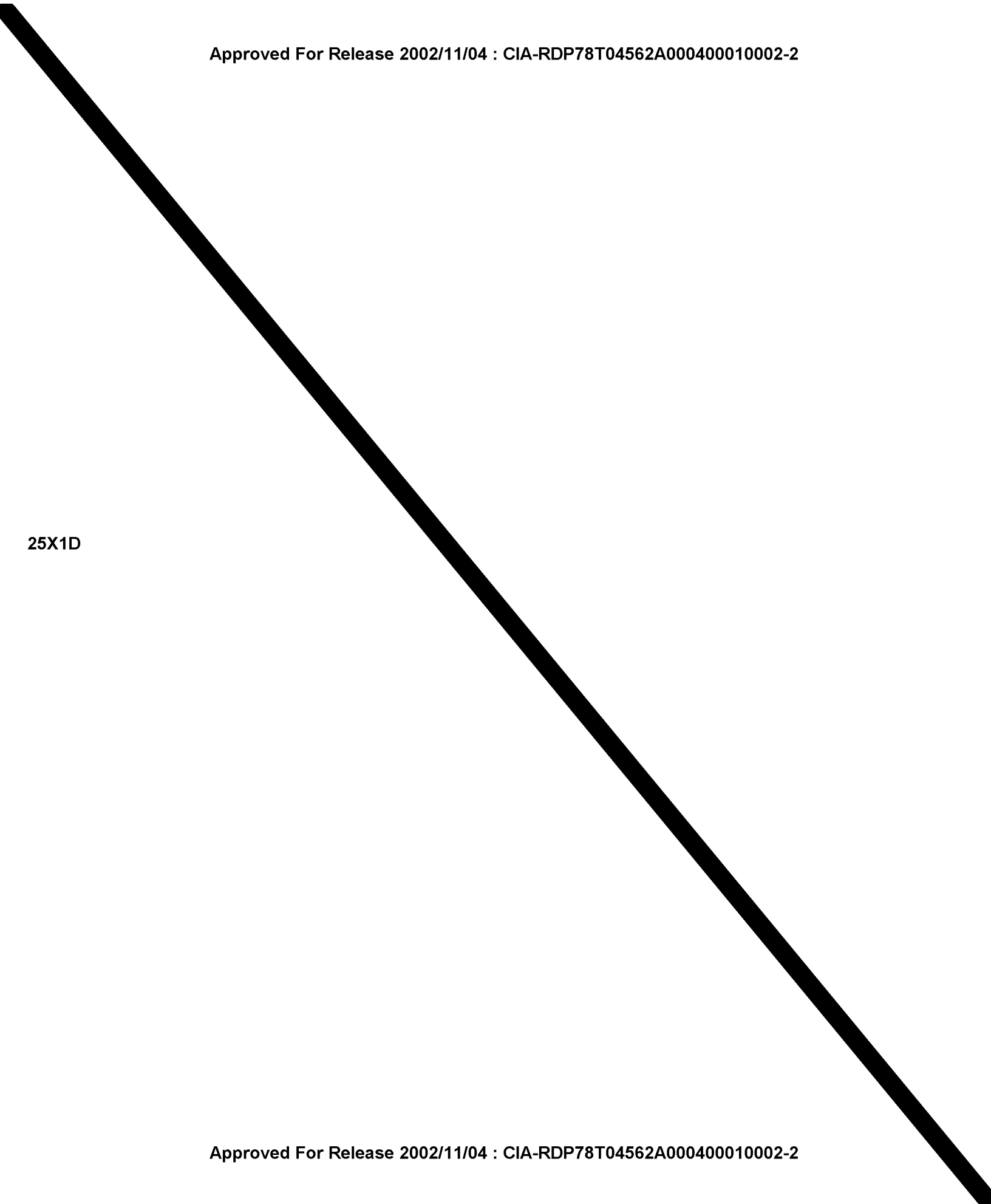

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D 25X1D

SARY-SHAGAN SAM SITE A26-2
NAC

46-05 N 073-31 E

25X1A

25X1D

STATUS:OCCUPIED

25X1D

SARY-SHAGAN SAM SITE B22-2

45-54 N 073-25 E

25X1A

25X1D

25X1D 25X1D

STATUS:ABANDONED

25X1A

REMARKS:
ONLY GROUND SCARRING FOR A STAR-CONFIGURED SA-2 SITE HAS EVER BEEN PRESENT AT THIS LOCATION. THE TARGET IS NOT AN SA-2 SITE, BUT IS PROBABLY USED AS AN AIRCRAFT RECOGNITION TARGET. TARGET MARKERS IN OTHER CONFIGURATIONS ARE ADJACENT TO THIS TARGET MARKER.

25X1D

SARY-SHAGAN SAM SITE E06-2
NAC

46-35 N 074-29 E

25X1A

25X1D

25X1D 25X1D

STATUS:OCCUPIED

25X1D

25X1

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25X1

25X1

KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D 25X1D

46-02- N 073-28- E

25X1A

SARY-SHAGAN SAM SUPPORT FACILITY

25X1D

25X1A

STATUS:OCCUPIED

REMARKS:
TWO NEARLY PARALLEL EARTHEN WALLS HAVE BEEN CONSTRUCTED JUST OUTSIDE THE SW CORNER OF THE SUPPORT FACILITY. VEHICLE TRACKS LEAD BACK INTO THE SUPPORT FACILITY THROUGH THE PERIMETER SECURITY FENCE.

25X1D

64-35- N 039-24- E

25X1A

25X1A

SEVERODVINSK SAM SITE B28-2
NAC

25X1D

25X1D 25X1D

STATUS:OCCUPIED

25X1D

25X1D

56-50-//N 060-30-//E

25X1A

SVERDLOVSK ABM SEARCH

25X1D

25X1A

STATUS:UNKNOWN

REMARKS:
NO ABM ACTIVITY IS OBSERVED.

25X1D

25X1D

25X1

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SOVIET UNION
AIR DEFENSE MISSILES

KH-4 MISSION 1109

25X1D

TEYKOVO ICBM COMPLEX SAM SITE B29-2 57-00 N 039-57 E

25X1A
25X1D

25X1D 25X1A 25X1D

STATUS:OCCUPIED

REMARKS:
A LARGE REVETTED, SEPARATELY SECURED BUILDING IS OBSERVED AT THE SE CORNER OF THE SITE.

25X1D

TIKSI HEN HOUSE SEARCH 71-38-//N 128-51-//E

25X1A

25X1D 25X1A

STATUS:UNKNOWN

REMARKS:
NO HEN HOUSE ACTIVITY IS OBSERVED.

25X1D

25X1

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D 25X1D

TULA SAM COMPLEX A28-5 54-11 N 037-26 E

25X1D 25X1A

25X1A

STATUS:UNDER CONSTRUCTION

REMARKS:
THE CONTROL CENTER AT SITE A CONTAINS A COMPLETED, BUT UNBUNKERED BUILDING AND A SECOND BUILDING UNDER CONSTRUCTION. AT LAUNCH POSITIONS A4, A5, AND A6 CONSTRUCTION OF LAUNCHER MOUNTS HAS PROBABLY BEGUN. NO CHANGE CAN BE NOTED IN LAUNCH SITES B AND C. TWO NEW BUILDINGS HAVE BEEN COMPLETED AT THE TRACKING AND GUIDANCE FACILITY. THREE BUILDINGS IN THE MISSILE-HANDLING FACILITY, OBSERVED UNDER CONSTRUCTION ON

25X1D ARE NOW COMPLETE. TWO OF THESE ARE ARCH ROOFED. NEW CONSTRUCTION IS ALSO EVIDENT. A LINEAR REVETMENT HAS BEEN CONSTRUCTED ADJACENT TO LAUNCH SITE A. NO CHANGE IS OBSERVED IN THE ASSOCIATED AIR WARNING RADAR FACILITY.

25X1D

TULA SAM SITE A25-2 54-08 N 037-21 E

25X1D NAC 25X1A

25X1D 25X1D

STATUS:OCCUPIED

25X1D

TULA SAM SITE B15-2 54-02 N 037-47 E

25X1D NAC 25X1A

25X1D 25X1D

STATUS:OCCUPIED

25X1D

SOVIET UNION
AIR DEFENSE MISSILES

KH-4 MISSION 1109

25X1D 25X1D

TULA SAM SUPPORT FACILITY
NAC
54-08 [redacted] N 037-34 [redacted] E
25X1A
25X1D [redacted]

STATUS:OPERATIONAL

25X1D [redacted]

TYURATAM MSL TEST CTR SAM SITE B13-2
NAC
45-49 [redacted] N 063-43 [redacted] E
25X1A
25X1D [redacted]
25X1D 25X1D

STATUS:OCCUPIED

REMARKS:
ALTERNATE SITE B IS OCCUPIED. THE MAIN SITE AND ALTERNATE SITE A ARE UNOCCUPIED.

25X1D [redacted]

TYURATAM MSL TEST CTR SAM SITE B21-2
NAC
45-43 [redacted] N 063-19 [redacted] E
25X1A
25X1D [redacted]
25X1D 25X1D

STATUS:OCCUPIED

REMARKS:
THE MAIN SITE IS UNOCCUPIED. THE ALTERNATE SITE IS OCCUPIED. CONSTRUCTION CONTINUES ON THE VEHICLE/EQUIPMENT SHELTER IN THE GUIDANCE AREA OF THE MAIN SITE.

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

UMAN SSM COMPLEX SAM SITE B20-2
NAC

48-42- N 030-22- E

25X1D 25X1A

25X1D 25X1D

STATUS:OCCUPIED

25X1D

YAKUTSK HEN HOUSE SEARCH

62-02-//N 129-44-//E

25X1A

25X1D

25X1A

STATUS:UNKNOWN

REMARKS:
NO HEN HOUSE ACTIVITY IS OBSERVED.

25X1D

25X1

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KH-4 MISSION 1109

SOVIET UNION
AIR DEFENSE MISSILES

YAROSLAVL ABM SEARCH AREA

57-40-//N 039-55-//E

25X1D 25X1A 25X1A

STATUS:UNKNOWN

REMARKS:
NO ABM ACTIVITY IS OBSERVED.

25X1D

YAROSLAVL SAM SITE B02-2
NAC

57-48-[redacted]N 039-57-[redacted]E

25X1D 25X1A

25X1D 25X1D

STATUS:OCCUPIED

25X1D

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KH-4 MISSION 1109

SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

SAS-TYUBE MICROWAVE FACILITY 42-32 N 069-59 E

25X1D 25X1A

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
1 NM SOUTH OF SAS-TYUBE. THIS SECURED FACILITY CONTAINS ONE SELF-SUPPORTING MICROWAVE TOWER WITH A CONTROL BUILDING AND ONE SUPPORT BUILDING.

25X1D

VLADIMIR MICROWAVE FACILITY 56-05 N 040-14 E

25X1D 25X1A 25X1D 25X1D

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
7 NM WSW OF VLADIMIR. THIS SINGLE-FENCED FACILITY CONSISTS OF ONE MICROWAVE ANTENNA, ONE CONTROL BUILDING, AND ONE SUPPORT BUILDING. THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDES IDENTIFICATION OF THE TYPE OF ANTENNA ELEMENTS AND THEIR ORIENTATION.

25X1D

VYAZNIKI MICROWAVE FACILITY 56-13 N 042-12 E

25X1D 25X1A 25X1D 25X1D

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
ON THE EASTERN EDGE OF VYAZNIKI. THIS FACILITY APPEARS TO BE SECURED AND CONSISTS OF ONE MICROWAVE ANTENNA AND ONE CONTROL BUILDING. THIS IS POSSIBLY THE ROUND-APERTURE-TYPE PREVIOUSLY REPORTED IN THE LENINGRAD AREA. THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDES IDENTIFICATION OF THE TYPE OF ANTENNA ELEMENTS AND THEIR ORIENTATION.

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KH-4 MISSION 1109

SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

25X1D

YAROSLAVL RADREL STA

57-31 N 039-45 E

25X1D 25X1D 25X1D

25X1A

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
7.1 NM SW OF YAROSLAVL. THIS SINGLE-FENCED FACILITY CONSISTS OF ONE MICROWAVE ANTENNA, ONE CONTROL BUILDING, AND TWO SUPPORT BUILDINGS. THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDES IDENTIFICATION OF THE ANTENNA ELEMENTS AND THEIR ORIENTATION.

25X1D

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KH-4 MISSION 1109

SOVIET UNION
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

43-03 N 072-12 E

AKYR-TOBE AIRFIELD

25X1D

25X1A

STATUS:NOT OPERATIONAL

REMARKS:
THE AIRFIELD MAY POSSIBLY BE ABANDONED. ONLY A VAGUE OUTLINE OF THE RUNWAY AND TAXIWAY IS VISIBLE. NO ACTIVITY OF ANY KIND IS OBSERVED IN THE SURROUNDING AREA.

AIR ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

45-01 N 033-59 E

SIMFEROPOL AIRFIELD NORTH
NAC

25X1D

25X1A

25X1D 25X1D

STATUS:OPERATIONAL

AIR ORDER OF BATTLE:
1 CAMEL
2 COOT

8 CRATE

25X1D

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SOVIET UNION
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

42-53-[redacted] N 132-33-[redacted] E

STRELOK STRAIT NVL MISSILE STOR NO 2

25X1D [redacted] [redacted] 25X1A

STATUS:OPERATIONAL

PHYSICAL DESCRIPTION:
3.5 NM NE OF STRELOK STRAIT SUBMARINE BASE PAVLOVSKOGO BAY [redacted] 25X1A
25X1A [redacted] AND 0.5 NM SW OF STRELOK STRAIT NAVAL MISSILE
25X1A STORAGE NO 1 [redacted] THIS INSTALLATION CONTAINS TWO
EARTH-COVERED PROBABLE MISSILE STORAGE BUILDINGS AND FOUR
STORAGE OR SUPPORT BUILDINGS.

MISSILE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D [redacted]

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SOVIET UNION
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D 25X1D

CHATYRKEL BORDER SECURITY POST 40-33 N 075-19 E

25X1D 25X1A

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
4 NM NW OF THE USSR-CHINA BORDER. THIS SECURED FACILITY CONTAINS ONE BARRACKS, ONE SUPPORT BUILDING, TWO STORAGE BUILDINGS, AND ONE UTILITY SHED. A SEPARATELY SECURED AREA 0.5 NM TO THE SOUTH CONTAINS FOUR STORAGE OR SUPPORT BUILDINGS.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

KAZAN ARMY BARRACKS GORKI AL 1 55-45 N 049-09 E

25X1D 25X1A

25X1D 25X1D

STATUS:OCCUPIED

REMARKS:
CONSTRUCTION CONTINUES ON THE U-SHAPED BUILDING.

GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

SHABO ARMY BARRACKS AL 1 46-08 N 030-22 E
NAC

25X1D 25X1A

25X1D 25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:
20 VEHICLES OR PIECES OF
EQUIPMENT (AT LEAST)

25X1

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SOVIET UNION
INDUSTRY

KH-4 MISSION 1109

SIGNIFICANT RESULTS

25X1D 25X1D

SEVASTOPOL SHIP RPR YD PANAIOTOVA BAY 44-37 N 033-33 E

25X1D NAC 25X1A

STATUS:OPERATIONAL

NAVAL ORDER OF BATTLE:
2 POSS DD IN GRAVING DOCK
1 POSS SMALL COMBATANT AT QUAY
2 POSS AUXILIARIES IN GRAVING DOCK
1 POSS SMALL AUXILIARY AT QUAY
1 FLOATING CRANE

25X1D

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